

# United States Patent [19]

Watanabe et al.

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[54] THIN FILM EL DEVICE WITH PROTECTIVE FILM

[75] Inventors: Takehito Watanabe; Satoshi Tanda; Takashi Nire, all of Kanagawa, Japan

[73] Assignee: Kabushiki Kaisha Komatsu Seisakusho, Tokyo, Japan

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## Related U.S. Application Data

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## [30] Foreign Application Priority Data

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357/72; 357/52; 357/71

[58] Field of Search ..... 357/17, 52, 52 C, 52 T,  
357/52 R, 54, 71, 72

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Primary Examiner—William Mintel  
Attorney, Agent, or Firm—Armstrong, Nikaido, Marmelstein, Kubovcik & Murray

## [57] ABSTRACT

A thin-film EL device of which the surface is coated with a protective film of a two-layer structure consisting of an insulating film (10) and a metallic film (20) in order to obtain good air-tightness and high reliability. The insulating film (10) consists of any one of a silicon oxide film, a silicon nitride film, an aluminum oxide film or a tantalum oxide film, and the metallic film consists of a thin film of either aluminum or tantalum.

6 Claims, 6 Drawing Sheets

